


## ABSTRACT

A shoulder- and/or neck-holder, seat-belt, seat and sets of vibration-dampening energy-absorbers are integrated into an energy-absorbing, vibration-dampening safety-seat in order to restrain the shoulders and/or neck of a belted passenger, dampen vibrations and gradually absorb subenergies, resulting from a subdivision of the total energy, just below the respective injury-irrelevant threshold-values in any real-world accident of a transport-system or during in-flight turbulence. The conversion of an adult-seat into a child-seat or a baby-cot or vice-versa is simple. A rotatable device makes the holder easy to use.

Neck- and/or and/or shoulder-shaped, height-, width-adjustable holders ensure complete restraint of the shoulders and necks of passengers with different weights and body-proportions. Seat-backrest shaped holders are beneficial for the seat-design. For the convenience of the passenger or in cases of emergency all latch-plates are disengaged from the buckle-assemblies and/or the rotatable holder is repositioned to the resting position on depression of a master release-button.

## OTHER PUBLICATIONS

- 
- [1] Car-Magazine ADAC 1/95  
[2] Car-Magazine AMS (Auto Motor und Sport) 23/97  
[3] Car-Magazine AMS 12/99, Newspapers Wiesbadener Kurier of 28.12.98, 20.01, 22.06, 04.11.99, Frankfurter Allgemeine Zeitung of 08.09.99, Frankfurter Rundschau of 12.06.99  
[4] Wiesbadener Tagsblatt of 28.12.97 reporting 100 injured passengers, 10 of which severely, during turbulence-related vibrations of an aeroplane Boeing 747.  
[5] Wiesbadener Tagsblatt of 15.04.99 reporting 30 injured passengers during turbulence-related vibrations of an aeroplane Boeing 747.  
[6] Police accident report and photos documenting the steering wheel and -column totally deformed by the head, thrown forward, of a 34 years-old driver of a brand-new German luxury car.  
[7] Police accident report and accident report by Go documenting the instant death of a 34 year-old female driver in a German premium sport car, into which a smaller Japanese car crashes in the city Wiesbaden, due to the head impact with the window pane and whiplash.  
[8] 34-page accident report by Go concerning severe/fatal injuries, submarining, head impacts and whiplash resulted from failure of conventional seat belts etc. to four German Ministers, General Attorney, Vice General Attorney, Senior Attorneys, Police Chief Directors, Police Directors etc.